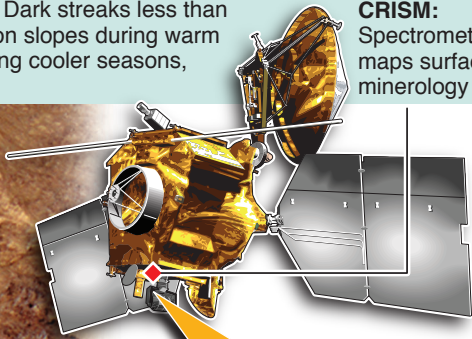


# NASA discovers water flowing on Mars

Analysis of imaging from NASA's Mars Reconnaissance Orbiter has proved that seasonal dark streaks on the Martian surface are the result of briny water periodically flowing across the red planet's surface

**"Recurring slope lineae":** Dark streaks less than 5 metres wide that appear on slopes during warm seasons and then fade during cooler seasons, first observed in 2011

**CRISM:** Spectrometer maps surface mineralogy



**Mars Reconnaissance Orbiter:** Spectral data from CRISM instrument from four dark streak sites shows presence of hydrated salt minerals that precipitate from water

Locations where hydrated perchlorate salts detected – with water molecules bound to crystal structure of salt

- |                   |                   |
|-------------------|-------------------|
| 1 Palikir crater  | 3 Hale crater     |
| 2 Coprates Chasma | 4 Horowitz crater |

*Microbes on Earth use perchlorate as energy source*

